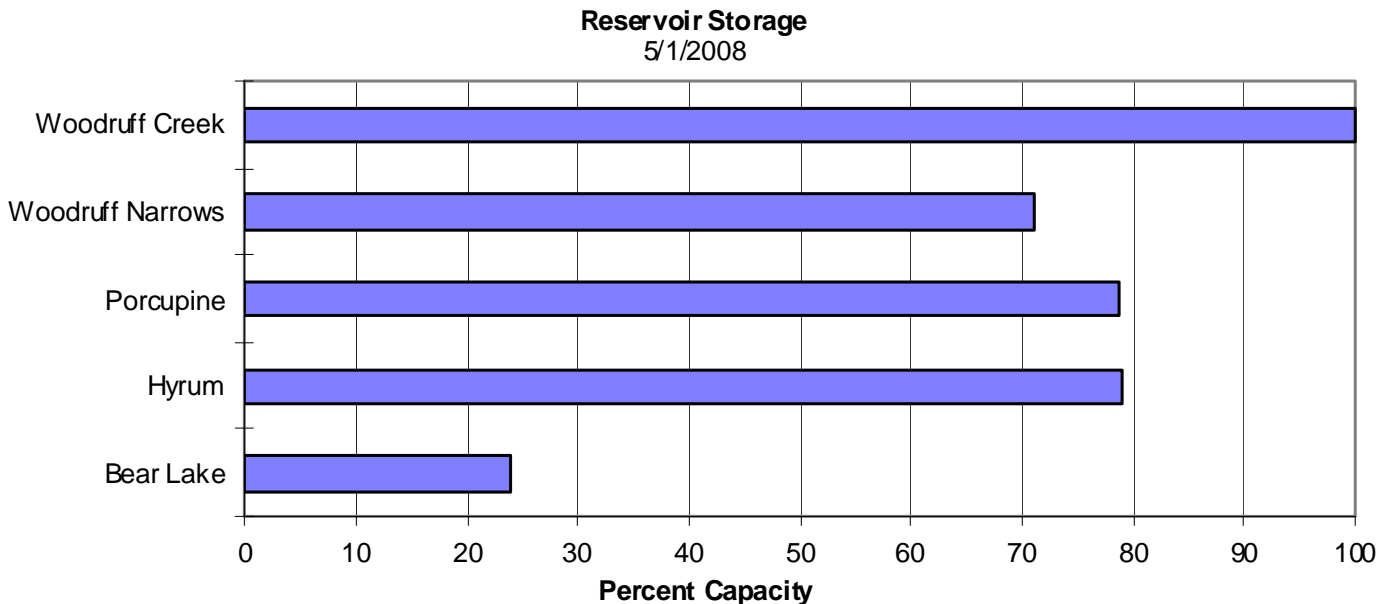
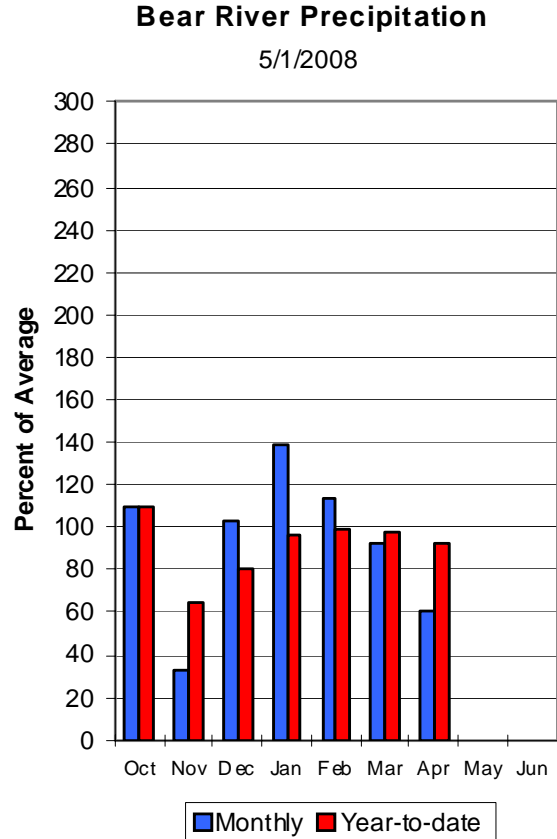
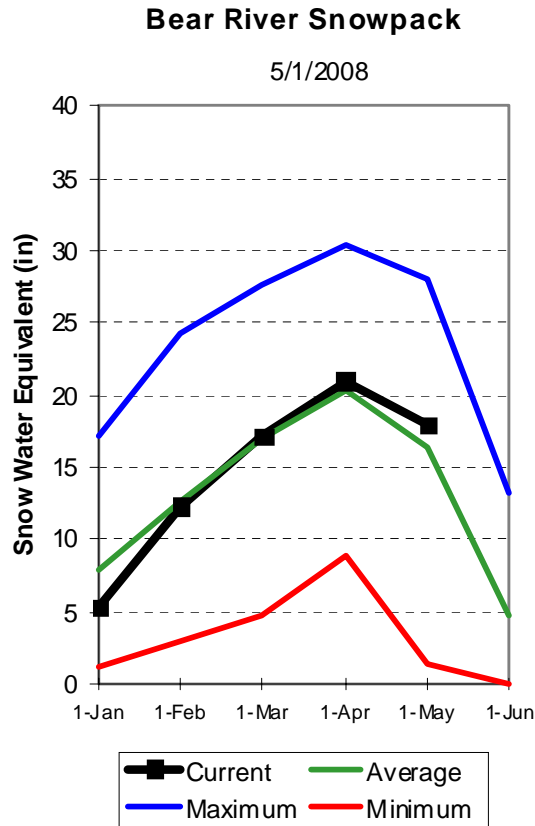


# Bear River Basin

## May 1, 2008

Snowpacks on the Bear River Basin are average at 103% of normal, about 318% of last year. This is only a 3% increase since April 1st. Specific sites range from 0% of normal at Oxford Springs Snotel to 659% at Little Bear Lower snow course. April precipitation was much below average at 60%, which brings the seasonal accumulation (Oct-April) to 93% of average. Soil moisture levels in runoff producing areas are at 69% of saturation in the upper 2 feet of soil compared to 77% last year. Forecast streamflows (May-July) range from much below to near average (43%-103%) volumes for this spring and summer. Reservoir storage is low at 27% of capacity, 15% lower than last year. The Surface Water Supply Index is at 12% for the Bear River, or 88% of years have had more total water available. Water supply conditions are much below normal due to low reservoir storage at Bear Lake.



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BEAR RIVER BASIN  
Streamflow Forecasts - May 1, 2008

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Forecast Point	Forecast Period	<===== Drier ===== Future Conditions ===== Wetter =====>						30-Yr Avg. (1000AF)
		Chance Of Exceeding *						
		90% (1000AF)	70% (1000AF)	50% (1000AF) (% AVG.)		30% (1000AF)	10% (1000AF)	
=====		=====		=====		=====		=====
Bear River nr UT-WY State Line	APR-JUL	99	107	113	100	119	127	113
	MAY-JUL	93	101	107	100	113	121	107
Bear River ab Reservoir nr Woodruff	APR-JUL	88	106	119	88	132	150	136
	MAY-JUL	82	99	111	96	123	140	116
Big Creek nr Randolph	APR-JUL	3.70	4.20	4.50	92	4.80	5.30	4.90
	MAY-JUL	1.74	3.00	4.00	93	5.20	7.20	4.30
Smiths Fork nr Border	APR-JUL	76	81	84	82	87	92	103
	MAY-JUL	72	77	80	84	83	88	95
Bear River at Stewart Dam	APR-JUL	74	94	110	47	127	154	234
	MAY-JUL	26	58	80	43	102	134	186
Little Bear River at Paradise	APR-JUL	35	41	45	98	49	56	46
	MAY-JUL	19.3	26	32	100	38	48	32
Logan R Abv State Dam Nr Logan	APR-JUL	94	102	107	85	113	121	126
	MAY-JUL	76	90	100	93	111	128	108
Blacksmith Fk Abv Up&L Dam Nr Hyrum	APR-JUL	29	34	38	79	42	48	48
	MAY-JUL	19.6	27	32	80	38	47	40

BEAR RIVER BASIN Reservoir Storage (1000 AF) - End of April					BEAR RIVER BASIN Watershed Snowpack Analysis - May 1, 2008			
Reservoir	Usable Capacity	*** Usable Storage ***			Watershed	Number of Data Sites	This Year as % of	
		This Year	Last Year	Avg			Last Yr	Average
BEAR LAKE	1302.0	311.9	531.6	---	BEAR RIVER, UPPER (abv Ha	4	362	107
HYRUM	15.3	12.1	15.4	13.2	BEAR RIVER, LOWER (blw Ha	4	399	104
PORCUPINE	11.3	8.9	11.3	9.5	LOGAN RIVER	3	314	104
WOODRUFF NARROWS	57.3	40.8	57.3	38.5	RAFT RIVER	0	0	0
WOODRUFF CREEK	4.0	4.0	4.0	---	BEAR RIVER BASIN	8	380	106

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\* 90%, 70%, 50%, 30%, and 10% chances of exceeding are the probabilities that the actual volume will exceed the volumes in the table.

The average is computed for the 1971-2000 base period.

- (1) - The values listed under the 10% and 90% Chance of Exceeding are actually 5% and 95% exceedance levels.  
 (2) - The value is natural volume - actual volume may be affected by upstream water management.